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REMARKS

Claims 3 and 21 were objected to. Claim 12 was rejected under 35 U.S.C. 112 as lacking proper antecedent basis.

Claims 2, 4, 7, 15, 16, 23 and 24 were rejected under 35 U.S.C. §102(b) as being anticipated by Hanson. Claims 6, 8, 12, 13 and 14 were rejected under 35 U.S.C. 103.

Claims 3, 5, 9 to 11, 18 to 22, 25 and 26 were indicated as allowable.

Allowable claim 3 has been canceled without prejudice, and its limitations incorporated into independent claim 2. Claim 23 has also been amended to incorporate the limitation of claim 3. Claims 12 and 21 have also been amended.

Withdrawal of the rejections and objections to the pending claims is respectfully requested, and reconsideration of the application as amended is respectfully requested.

Claims Objections

Claims 3 and 21 were objected to for using the term no common denominator. Applicant has amended the claims to use the term "no common divisor." As discussed in the specification at paragraph [0035], "no common divisor" means that  $n$  is prime with respect to  $m$ . Thus "1" cannot be a common divisor as defined by the present invention and as would be understood by one of skill in the art reading the specification, and  $n$  and  $m$  have no other common divisor.

Withdrawal of the objections is respectfully requested.

35 U.S.C. 112 Rejections

Claim 12 has been amended to provide proper support for the term detector. Withdrawal of the rejection is respectfully requested.

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35 U.S.C. 102/103 Rejections

Independent claims 2 and 23 have been amended to incorporate the limitation of allowable dependent claim 3, and withdrawal of the prior art rejections to claims 2 and 23, and their dependent claims, is respectfully requested.


Conclusion

It is respectfully submitted that the present application is now in condition for allowance, and Applicants respectfully requests such action.

Respectfully submitted,

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